

AMENDMENTS

Please amend the above-identified application as follows:

IN THE SPECIFICATION

Please delete the paragraph beginning at page 8, line 31 and ending at page 9, line 9 and replace with the following paragraph:

E-1
By "substrate" or "solid support" or other grammatical equivalents herein is meant any material that can be modified to contain discrete individual sites appropriate for the attachment or association of beads and is amenable to at least one detection method. As will be appreciated by those in the art, the number of possible substrates is very large. Possible substrates include, but are not limited to, glass and modified or functionalized glass, plastics (including acrylics, polystyrene and copolymers of styrene and other materials, polypropylene, polyethylene, polybutylene, polyurethanes, Teflon®, etc.), polysaccharides, nylon or nitrocellulose, resins, silica or silica-based materials including silicon and modified silicon, carbon, metals, inorganic glasses, plastics, optical fiber bundles, and a variety of other polymers. In general, the substrates allow optical detection and do not themselves appreciably fluoresce.

IN THE CLAIMS

Claims 1-36 are canceled; new claims 37-55 are submitted:

37. (New) An array composition comprising:

E-2
a) a substrate with a surface comprising discrete sites at a density of at least 100 sites per 1 mm^2 , wherein said discrete sites are wells; and

b) a population of microspheres randomly distributed on said sites, wherein said population comprises at least a first and a second subpopulation each comprising a different bioactive agent and do not comprise a label.